

**IV. Rejection Under 35 U.S.C. §112, Second Paragraph**

Claim 44 (and claims depending therefrom) is rejected for use of the term “systemic effects.” As discussed above, applicants submit that this is a typographical error, and claim 44 has been amended to recite “systematic effects,” which is agreed to be supported in the specification. Thus, the rejection is believed to be overcome.

Claim 51 is rejected in reciting that luciferase is a chromophore, when it is in fact an enzyme. Applicants have dropped luciferase from this claim, adding it to claim 53 instead. Thus, the rejection is believed to be overcome.

Claim 53 is rejected in reciting that cytochrome c and chymotrypsin inhibitor are enzymes. Applicants have dropped both of these terms from this claim, adding them to new claim 58 instead. Thus, the rejection is believed to be overcome.

Claims 53 and 56 are rejected for the use of “and” between that last two members of the recited groups (enzymes and proteins of interest, respectively). The term “and” has been substituted with “or”.

Reconsideration and withdrawal of each of these rejections is therefore respectfully requested.

**V. Rejections Under 35 U.S.C. §102**

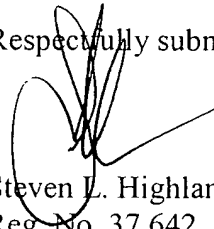
Claims 44, 45, 47, 52-55 and 57 stand rejected over Nixon (2000), and claims 44, 45, 47 and 52-57 stand rejected over Wigely *et al.* (2001). Both of these references are advanced only because of the alleged loss of priority. However, as discussed above, applicants have amended the claims to address the priority issue. Thus, neither Nixon nor Wigely *et al.* is available as prior art against the present claims. Reconsideration and withdrawal of the rejections is therefore respectfully requested.

**VI. Conclusion**

In light of the foregoing, applicants respectfully submit that all claims are in condition for allowance, and an early notification to that effect is earnestly solicited. Any questions regarding this response may be directed to the undersigned at the telephone number provided below.

Please date stamp and return the enclosed postcard as evidence of receipt.

Respectfully submitted,



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Date: December 21, 2005